

INTERNATIONAL SEARCH REPORT

In national Application No
PCT/IB2004/003339

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K14/29 C12N15/31 C07K16/12 A61K39/02 A61K39/295

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/68865 A (AQUA HEALTH LIMITED; SIMARD, NATHALIE; BROUWERS, HUUB; JONES, SIMON;) 20 September 2001 (2001-09-20)	2, 8-14, 19
Y	page 7 - page 8; figure 7	1-14, 18, 19, 31-33, 36
X	LEONG J C ET AL: "FISH VACCINE ANTIGENS PRODUCED OR DELIVERED BY RECOMBINANT DNA TECHNOLOGIES" DEVELOPMENTS IN BIOLOGICAL STANDARDIZATION, KARGER, BASEL, CH, vol. 90, 1997, pages 267-277, XP001062656 ISSN: 0301-5149	37-42
Y	page 272, paragraph 3 page 270, line 10 - line 16; table 1 -/--	15-17, 20-24

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *O* document referring to an oral disclosure, use, exhibition or other means
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Date of the actual completion of the international search

4 May 2005

Date of mailing of the international search report

24/05/2005

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PC1/182004/003339

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>VALENZUELA PDT ET AL.: "Sequence and applications of the Piscirickettsia salmonis genome"</p> <p>BIOLOGICAL RESEARCH, 'Online!'</p> <p>vol. 34, no. 3-4, 2001, pages R-17, XP002325385</p> <p>ISSN: 0716-9760</p> <p>Retrieved from the Internet:</p> <p>URL: http://www.scielo.cl/scielo.php?script=sci_arttext&pid=S0716-97602001000300012&lng=en&nrm=iso 'retrieved on 2005-04-14!'</p> <p>Abstract of presentation at Symposium at following conference: XLIV ANNUAL MEETING OF THE SOCIEDAD DE BIOLOGIA DE CHILE (BIOLOGY SOCIETY OF CHILE); PUCON, CHILE; NOVEMBER 06-10, 2001</p> <p>abstract</p>	1-14, 18, 19, 31-33, 36
Y	<p>WO 02/38770 A (THE UNIVERSITY COURT OF THE UNIVERSITY OF ABERDEEN; MELVIN, WILLIAM, T) 16 May 2002 (2002-05-16)</p> <p>cited in the application</p> <p>page 19 - page 38; examples 1-5</p>	25-29, 31-36
P, Y	<p>MIQUEL ALVARO ET AL: "Immunoresponse of Coho salmon immunized with a gene expression library from Piscirickettsia salmonis."</p> <p>BIOLOGICAL RESEARCH,</p> <p>vol. 36, no. 3-4, 2003, pages 313-323, XP002325386</p> <p>ISSN: 0716-9760</p>	1-16, 18-21
Y	<p>page 314, left-hand column, paragraph 2 -</p> <p>page 316, right-hand column, paragraph 3</p> <p>page 322, right-hand column, paragraph 2 -</p> <p>page 323, left-hand column, paragraph 1</p>	17, 22-36
Y	<p>WILHELM VIVIAN ET AL: "The complete sequence of the mitochondrial genome of the Chinook salmon, Oncorhynchus tshawytscha."</p> <p>BIOLOGICAL RESEARCH,</p> <p>vol. 36, no. 2, 2003, pages 223-231, XP009046676</p> <p>ISSN: 0716-9760</p> <p>page 223, right-hand column, last paragraph - page 225, left-hand column, paragraph 2</p>	1-36
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	<p>DATABASE BIOSIS 'Online! BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 2002, HENRIQUEZ V B ET AL: "Improved purification of the obligate intracellular bacteria <i>Piscirickettsia salmonis</i> by iodixanol density gradient centrifugation" XP002325615 Database accession no. PREV200200597234 abstract & ABSTRACTS OF THE GENERAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY, vol. 102, 2002, page 259, 102ND GENERAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY; SALT LAKE CITY, UT, USA; MAY 19-23, 2002 ISSN: 1060-2011</p>	1-36
Y	<p>HENRIQUEZ VITALIA ET AL: "An alternative efficient procedure for purification of the obligate intracellular fish bacterial pathogen <i>Piscirickettsia salmonis</i>." APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol. 69, no. 10, October 2003 (2003-10), pages 6268-6271, XP001206212 ISSN: 0099-2240 the whole document</p>	1-36
Y	<p>RUESSMANN HOLGER ET AL: "Attenuated <i>Yersinia pseudotuberculosis</i> carrier vaccine for simultaneous antigen-specific CD4 and CD8 T-cell induction." INFECTION AND IMMUNITY, vol. 71, no. 6, June 2003 (2003-06), pages 3463-3472, XP002325391 ISSN: 0019-9567</p>	15-17, 20-36
X	<p>page 3463, line 1 - page 3464, left-hand column, paragraph 2 page 3469, left-hand column, paragraph 2 - page 3470, right-hand column, paragraph 3</p>	37,42
A	<p>KUZYK M A ET AL: "ANTIGENIC CHARACTERIZATION OF THE SALMONID PATHOGEN <i>PISCIRICKETTSIASALMONIS</i>" INFECTION AND IMMUNITY, AMERICAN SOCIETY FOR MICROBIOLOGY. WASHINGTON, US, vol. 64, no. 12, December 1996 (1996-12), pages 5205-5210, XP001029511 ISSN: 0019-9567 page 5206, right-hand column, paragraph 4 - page 5209, left-hand column, paragraph 2</p>	1-36

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Information on patent family members

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PCT/IB2004/003339

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